



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D130-1046-213
Job Sheet 202757



Part No: D130-1046-213

Job Qty: 1 pcs

Part Name: EC130/H130 Cable Cutter Lower Fixed Provisions



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/1/19

Job Tracking No:

Due Date: 12/3/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: D130-1046-213 REV.B IPP REV:A 18.04.26 NEW ISSUE DD VERF:JFS IPP REV:B 18.08.23 AS PER DWG
REV.B DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Packaging 1 - Pick Kit	1 pcs	12/3/19		0.00	0.00	Packaging 1 - 1		
							Packaging 1 - 2		
							Packaging 1 - 3 ✓		
							Packaging 1 - 4		
							Packaging 1 - 5		
							Packaging 1 - 6		
							Packaging 1 - 7		
							Packaging 1 - 8		
							Packaging 1 - 9		
							Packaging 1 - 10		
							Packaging 1 - 11		
							Packaging 1 - 12		
							Packaging 1 - 13		
							Packaging 1 - 14		
							Packaging 1 - 15		
							Packaging 1 - 16		
							Packaging 1 - 17		
							Packaging 1 - 18		
							Packaging 1 - 19		
							Packaging 1 - 20		
							Packaging 1 - 21		
							Packaging 1 - 22		
							Packaging 1 - 23		
							Packaging 1 - 24		
							Packaging 1 - 25		
							Packaging 1 - 26		
							Packaging 1 - 27		
							Packaging 1 - 28		
							Packaging 1 - 29		
							Packaging 1 - 30		



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S237896



Part: D130-1046-213

Job No: 202757

Serial No/Batch: S237896

Revision: B

Inspector:

Exp Date:

Instructions: FAA STC SR02609SE 18/02/09 TC LoA C-18

Plex 11/1/19 12:57 PM Dart.lajeunesse.marie

				Packaging 1 - 31	
				Packaging 1 - 32	
				Packaging 1 - 33	
				Packaging 1 - 34	
				Packaging 1 - 35	
				Packaging 1 - 36	
120 QC 4	1 pcs	12/3/19	0.00 0.00	QC 4 - 28	
				QC 4 - 58	
				QC 4 - 69	
				QC 4 - 9	
				QC 4 - 46	
				QC 4 - 68	
				QC 4 - 72	
				QC 4 - 74	
				QC 4 - 75	
				QC 4 - 78	
130 Packaging 3-1 - Stock - B4B	1 pcs	12/3/19	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
135 DC - 1 - B4B	1 pcs	12/3/19	0.00 0.00	DC - 1 - B4B	
				DC - 2 - B4B	
140 QC 21 - FG	1 pcs	12/3/19	0.00 0.00	QC 21 - FG - 21	
				QC 21 - FG - 70	
				QC 21 - SA - 53	

989
74
DAS

NE 12/19

DAS
21
989

DEC 06 2019

DAS
21
989

DEC 06 2019

Part Op 110 - (Pick Kit)
 Descriptions: 120 - (QC4- 100% Inspect kits for completeness)

130 - (Identify as per dwg & Stock Location: _____) Identify and pack for shipping as per PPP D130-1046-213

Location: _____

135 - (Document Control) Photocopy bluefile & type labels per PPP D130-1046-213 CHG001

140 - (QC21- Final Inspection - Work Order Release)

013112

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
CR7620S-05-05	Rivet, Blind	8 Ea (8 ea) ✓	110-Packaging 1 - Pick Kit	S231690 ✓
CR7621S-04-02	Rivet, Blind	14 Ea (14 ea) ✓	110-Packaging 1 - Pick Kit	S211213 ✓
CR7621S-05-02	Rivet, Blind	24 Ea (24 ea) ✓	110-Packaging 1 - Pick Kit	S147041 ✓
D5577-1	U-Channel, Cable Cutter	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S136303 ✓
D5578-1	Shim, Cable Cutter	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S124286 ✓
D5579-1	Center Clip, Cable Cutter	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	S234752 ✓
D5580-1	Shim, Cable Cutter	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	S234757 ✓
D5581-1	Clip, Fwd, LH	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S123680 ✓
D5581-2	Clip, Fwd, RH	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S123675 ✓
D5581-3	Clip, Aft, LH	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S124005 ✓
D5581-4	Clip, Aft, RH	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S124010 ✓
D5582-1	Aft Angle	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S123495 ✓
D5583-1	Radius Block	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	S129288 ✓
D5584-1	Doubler	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S123469 ✓
D5585-1	Stringer, LH Fwd	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S124030 ✓
D5586-1	Stringer, RH Fwd	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S124283 ✓
D5587-1	Stringer, LH Aft	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S124995 ✓
D5588-1	Stringer, RH Aft	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S124274 ✓
D5589-1	Gusset, Outboard LH	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S123662 ✓
D5589-2	Gusset, Outboard RH	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S124015 ✓
D5590-1	Gusset, Inboard LH	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S128451 ✓
D5590-2	Gusset, Inboard RH	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S129457 ✓
D5591-1	Indent Label	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S130460 ✓
D5592-1	Tie Mount	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	S069854 ✓
D5597-3-3	304 Cres Tape, 3" Wide x 9' Long	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S210544 ✓
D5655-1	Shim	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S123905 ✓
LN29679AM6	Anchor Nut, Floating	4 pcs (4 ea) ✓	110-Packaging 1 - Pick Kit	S139336 ✓
LN9016-04K	Washer	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	S131685 ✓
LN9016-05K ✓	Washer	4 pcs (4 ea) ✓	110-Packaging 1 - Pick Kit	S124590 ✓
LN9037-05012 ✓	Bolt	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	S140510 ✓
LN9037-05016 ✓	Bolt	1 pcs (1 ea) ✓	110-Packaging 1 - Pick Kit	S138574 ✓
LN9166-5.3 ✓	Washer	4 pcs (4 ea) ✓	110-Packaging 1 - Pick Kit	S137435 ✓
LN9338-04 ✓	Nut	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	S131211 ✓
LN9338-05 ✓	Nut	3 pcs (3 ea) ✓	110-Packaging 1 - Pick Kit	S135796 ✓
LN9439M4x12 ✓	Screw	2 pcs (2 ea) ✓	110-Packaging 1 - Pick Kit	S138597 ✓
MS20426AD4-7 ✓	Rivet	26 Ea (26 ea) ✓	110-Packaging 1 - Pick Kit	S087874 ✓
MS20426AD4-8 ✓	Rivet	16 Ea (16 ea) ✓	110-Packaging 1 - Pick Kit	F18136-4 ✓
MS20470AD4-4 ✓	Rivet, Universal Head	4 Ea (4 ea) ✓	110-Packaging 1 - Pick Kit	S196239 ✓
MS20470AD4-5 ✓	Rivet, Universal Head	53 Ea (53 ea) ✓	110-Packaging 1 - Pick Kit	S198109 ✓
MS20470AD4-6 ✓	Rivet, Universal Head	30 Ea (30 ea) ✓	110-Packaging 1 - Pick Kit	S178038 ✓
MS20470AD4-7 ✓	RIVET	2 Ea (2 ea) ✓	110-Packaging 1 - Pick Kit	S179669 ✓
MS20470AD5-6 ✓	Rivet	9 Ea (9 ea) ✓	110-Packaging 1 - Pick Kit	S048897 ✓
MS20470AD5-8 ✓	Rivet	1 Ea (1 ea) ✓	110-Packaging 1 - Pick Kit	F114988 ✓
MS21141S-05-05 ✓	Rivet	4 Ea (4 ea) ✓	110-Packaging 1 - Pick Kit	S134426 ✓
MS25083-2BB10 ✓	Bonding Jumper	1 Ea (1 ea) ✓	110-Packaging 1 - Pick Kit	S048901 ✓
NAS1919C04S03 ✓	Rivet, Blind	8 Ea (8 ea) ✓	110-Packaging 1 - Pick Kit	S209075 ✓
NAS1919C05S04 ✓	Rivet, Blind	4 Ea (4 ea) ✓	110-Packaging 1 - Pick Kit	S076816 ✓
NAS1921C04S04 ✓	Rivet, Blind	4 Ea (4 ea) ✓	110-Packaging 1 - Pick Kit	S133208 ✓
NAS1921C04S07 ✓	Rivet, Blind	4 Ea (4 ea) ✓	110-Packaging 1 - Pick Kit	S124595 ✓

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-Packaging 1 - Pick Kit	CR7620S-05-05	8	71	0
	CR7621S-04-02	14	34	0
	CR7621S-05-02	24	31	0
	D5577-1	1	1	0
	D5578-1	1	3	0
	D5579-1	2	0	0
	D5580-1	2	0	0
	D5581-1	1	3	0
	D5581-2	1	3	0
	D5581-3	1	3	0
	D5581-4	1	3	0
	D5582-1	1	3	0
	D5583-1	2	5	0
	D5584-1	1	3	0
	D5585-1	1	3	0
	D5586-1	1	2	0
	D5587-1	1	13	0
	D5588-1	1	2	0
	D5589-1	1	3	0
	D5589-2	1	1	0
	D5590-1	1	2	0
	D5590-2	1	2	0
	D5591-1	1	9	0
	D5592-1	2	94	0
	D5597-3-3	1	6	0
	D5655-1	1	3	0
	LN29679AM6	4	48	0
	LN9016-04K	2	192	0
	LN9016-05K	4	16	0
	LN9037-05012	2	51	0
	LN9037-05016	1	32	0
	LN9166-5.3	4	48	0
	LN9338-04	2	22	0
	LN9338-05	3	56	0
	LN9439M4x12	2	34	0
	MS20426AD4-7	26	2,087	0
	MS20426AD4-8	16	2,634	0
	MS20470AD4-4	4	23,047	0
	MS20470AD4-5	53	1,825	0
	MS20470AD4-6	30	901	0
	MS20470AD4-7	2	2,538	0
	MS20470AD5-6	9	582	0
	MS20470AD5-8	1	1,277	0
	MS21141S-05-05	4	50	0
	MS25083-2BB10	1	2	0
	NAS1919C04S03	8	10	0
	NAS1919C05S04	4	9	0
	NAS1921C04S04	4	24	0
	NAS1921C04S07	4	21	0
Part Specifications				
Specifications could not be found.				

Plex 11/1/19 12:57 PM Dart.lajeunesse.marie

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐		
Date :	Sequence #:	QTY Affected :		MRB (QSI042)
Description Work Order Deviation		Disposition		Completed By Lead hand / Supervisor QC / QA Coordinator
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread		
		Other/Details:		

ITEM	QTY -213	P/N	DESCRIPTION	MANUFACTURER	ALTERNATE PART
	X	D130-1046-213	FIXED PROVISIONS, LOWER		
1	1	D5577-1	U-CHANNEL, CABLE CUTTER		
2	1	D5578-1	SHIM, CABLE CUTTER		
3	2	D5579-1	CENTER CLIP, CABLE CUTTER		
4	2	D5580-1	SHIM, CABLE CUTTER		
5	1	D5581-1	CLIP, FWD LH		
6	1	D5581-2	CLIP, FWD RH		
7	1	D5581-3	CLIP, AFT LH		
8	1	D5581-4	CLIP, AFT RH		
9	1	D5582-1	AFT ANGLE		
10	2	D5583-1	RADIUS BLOCK		
11	1	D5584-1	DOUBLER		
12	1	D5585-1	STRINGER, LH AFT		
13	1	D5586-1	STRINGER, RH FWD		
14	1	D5587-1	STRINGER, LH FWD		
15	1	D5588-1	STRINGER, RH AFT		
16	1	D5589-1	GUSSET, OUTBOARD LH		
17	1	D5589-2	GUSSET, OUTBOARD RH		
18	1	D5590-1	GUSSET, INBOARD LH		
19	1	D5590-2	GUSSET, INBOARD RH		
20	1	D5591-1	IDENT LABEL		
21	2	D5592-1	TIE MOUNT		PANDUIT TM3S8-C
22	1	D5597-3-3	CRES TAPE		McMASTER CARR 76055A23
23	1	D5655-1	SHIM		
24	4	MS20470AD4-4	RIVET, SOLID, PAN HEAD		
25	53	MS20470AD4-5	RIVET, SOLID, PAN HEAD		
26	30	MS20470AD4-6	RIVET, SOLID, PAN HEAD		
27	26	MS20426AD4-7	RIVET, SOLID, CSK		
28	18	MS20426AD4-8	RIVET, SOLID, CSK		
29	2	MS20470AD4-7	RIVET, SOLID, PAN HEAD		
30	9	MS20470AD5-6	RIVET, SOLID, PAN HEAD		
31	1	MS20470AD5-8	RIVET, SOLID, PAN HEAD		
32	8	MS21140U0505W	MAXIBOLT, BLIND, CSK		MS21140S0505, CR7620S-05-05
33	14	MS21141U0402W	MAXIBOLT, BLIND, PAN HEAD		MS21141S0402, CR7621S-04-02
34	24	MS21141U0502W	MAXIBOLT, BLIND, PAN HEAD		MS21141S0502, CR7621S-05-02
35	4	MS21141U0505W	MAXIBOLT, BLIND, PAN HEAD		MS21141S0505, CR7621S-05-05
36	1	MS25083-2BB10	ELECTRICAL BONDING JUMPER		
37	8	NAS1919C04S03U	RIVET, BLIND, PAN HEAD		NAS1919C04S03
38	4	NAS1921C04S04U	RIVET, BLIND, CSK		NAS1921C04S04
39	4	NAS1921C04S07U	RIVET, BLIND, CSK		NAS1921C04S07
40	4	NAS1919C05S04U	RIVET, BLIND, PAN HEAD		NAS1919C05S04
41	4	LN29679AM6	NUTPLATE (M6)		
42	2	LN9016-04K	WASHER, BEVELLED (M4)		
43	4	LN9016-05K	WASHER, BEVELLED (M5)		
44	1	LN9037-05016	HEX HEAD BOLT (M5)		
45	2	LN9037-05012	HEX HEAD BOLT, (M5)		
46	4	LN9166-5.3N	WASHER (M5)		
47	2	LN9338-04	NUT (M4)		
48	3	LN9338-05	NUT (M5)		
49	2	LN9439M4X12	SCREW, PAN-HEAD (M4)		
50	2	MS3367-2	TIE-WRAP		TY28MX (THOMAS&BETTS)
51	A/R	PR1440	SEALANT	PPG (DESOTO)	P/S 890 OR MIL-S-8802 COMPLIANT
52	A/R	NYCOTE 7-11BL	PROTECTIVE COATING	NYCOTE	

NOTES:

- 1) ALL DIMENSIONS ARE IN MILLIMETERS.
- 2) NOT INCLUDED IN KIT. TO BE FURNISHED BY INSTALLER.
- 3) COAT FAYING SURFACE AND SEAL PERIMETER WITH SEALANT (ITEM 51).
- 4) GRIND SMOOTH COMPOSITE MOUNTING CLIPS AND SAND SMOOTH PAINTED SURFACE. DO NOT PENETRATE COMPOSITE PLIES BELOW PAINT.
- 5) APPLY CRES TAPE (ITEM 22) TO PROVIDE GALVANIC BARRIER BETWEEN ALUMINUM COMPONENTS AND THE AIRCRAFT COMPOSITE STRUCTURE. APPLY SEALANT (ITEM 51) ON FAYING SURFACE BETWEEN CRES TAPE AND ALUMINUM STRUCTURE.
- 6) RELOCATE GROUNDS APPROXIMATELY AS SHOWN, USE EXISTING HARDWARE. RE-IDENTIFY WITH LABELS (ITEM 20).
- 7) PICK UP EXISTING RIVETS IF POSSIBLE. OTHERWISE, INSTALL NEW RIVETS EQUALLY SPACED BETWEEN EXISTING RIVETS. STRINGERS MAY BE TRIMMED TO CLEAR EXISTING RIVETS.
- 8) INSTALL ALL RIVETS WET USING SEALANT (ITEM 51).
- 9) CONTACT AREA TO BE CLEAN OF ALL NON-CONDUCTIVE COATINGS ($\phi 8\text{mm}$ (0.32")), AFTER ASSEMBLY, BARE METAL SURFACES TO BE PROTECTED WITH PROTECTIVE COATING (ITEM 52).
- 10) IF THE EXISTING AIRCRAFT GUSSET IS NOT PRESENT (SECTION L-L), DO NOT INSTALL THE QTY(4) RIVETS (ITEM 24).
- 11) IF EXISTING STRUCTURE PREVENTS INSTALLATION OF THE TOPMOST RIVET (ITEM 25) IN THE RH-AFT STRINGER (ITEM 15), DO NOT INSTALL THE TOPMOST RIVET. TRIM 12mm FROM TOP OF RH-AFT STRINGER (ITEM 15) TO REMOVE TOPMOST HOLE PRIOR TO INSTALLATION.
- 12) LH-FWD STRINGER (ITEM 14) HAS A JOGGLE THAT IS NOT REQUIRED ON SOME AIRCRAFT. IF STRINGER DOES NOT SIT FLUSH ON EXISTING STRUCTURE, INSTALL STRINGER WITH SHIM (ITEM 23) OR REWORK LH-FWD STRINGER (ITEM 14) TO BE FLAT.
- 13) ACCEPTABLE TO DRILL $\phi 6.2\text{mm}$ MAX HOLE AT THIS LOCATION TO ALLOW REMOVAL OF DEBRIS. FILL WITH SEALANT AFTER USE.

B	ADD NOTES 10, 11, 12, & 13. ADD D5655-1 SHIM (ITEM 23)	CP	18.06.26
A	NEW ISSUE	AJS	18.03.16
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE USA, INC. EUGENE, OR	
DRAWN	CP		
CHECKED	RF	DRAWING NO.	REV. B
MFG. APPR.	N/A	D130-1046-213	SHEET 1 OF 10
APPROVED	DSW	TITLE	SCALE
DE APPR.	CP 47	FIXED PROVISIONS, LOWER	NTS
DATE	18.06.26	COPYRIGHT © 2016 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR TRANSMITTED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	